

SPEED MEETS PRECISION

Kalamazoo Industries HS14 Redefines Non-Ferrous Cutting Performance



The Kalamazoo HS14: Heavy-duty cast iron construction with OSHA-compliant clamshell blade guard

For fabricators and metal suppliers working with aluminum, brass, copper, and other non-ferrous materials, cutting speed directly impacts throughput and profitability. Slow, inefficient saws create bottlenecks that cascade through production schedules. The Kalamazoo Industries HS14 14" high speed non-ferrous metal saw was engineered specifically to eliminate these constraints—delivering the speed, power, and precision that modern fabrication demands.

Built in the USA with heavy-duty cast iron construction throughout, the HS14 represents a significant step forward for shops seeking a reliable workhorse for daily production cutting. Whether you're processing aluminum extrusions by the hundred or cutting custom brass components for architectural applications, this saw delivers consistent results hour after hour.

Power Where It Counts

At the heart of the HS14 sits a robust 5HP motor that drives the spindle to an impressive 4,400 RPM—the high blade speed that non-ferrous materials require for clean, burr-free cuts. This isn't a repurposed ferrous saw with compromised specifications; it's a purpose-built machine optimized for aluminum and soft metals.

The 1" spindle arbor accepts standard 14" carbide-tipped blades, providing shops the flexibility to select tooth counts and configurations matched to their specific materials and applications. Compared to abrasive wheel alternatives, carbide blades offer substantially longer service life and eliminate the sparks, dust, and heat that abrasive cutting generates.

KEY SPECIFICATIONS AT A GLANCE

Motor: 5 HP • **Spindle Speed:** 4,400 RPM • **Arbor:** 1"

Capacity: 3" Solids / 4" Shapes • **Vise Opening:** 5" • **Electrical:** 3PH 230V/460V

Capacity That Handles the Workload

The HS14 cuts solid round and square stock up to 3" and handles structural shapes up to 4"—capacity that covers most of the non-ferrous fabrication work. The dual screw vises with 5" opening provide secure, stable workholding that virtually eliminates material movement during the cut.

Adjustable threaded front and back stops enable rapid setup for repetitive cuts, reducing cycle times in production environments. Operators can dial in precise lengths and maintain accuracy throughout extended runs—essential for shops where dimensional consistency determines customer satisfaction.

Built for Industrial Durability

Every critical component of the HS14—the base, trunnion, and arm—is manufactured from cast iron. This isn't merely a design preference; it's a deliberate engineering choice that delivers superior vibration damping, dimensional stability, and long-term durability. Fabrication shops understand that equipment rigidity translates directly to cut quality and cast iron construction provides the mass and stability that sheet metal housings simply cannot match.

Sealed ball bearings throughout the drivetrain reduce maintenance requirements while extending service life. The magnetic on/off switch provides positive motor control and protects against accidental restart after power interruptions—a critical safety consideration in busy shop environments.

Safety Without Compromise

The retractable steel clamshell blade guard meets OSHA requirements while remaining practical for operators. The guard provides full blade coverage during cutting while retracting easily for blade changes and material positioning. It's a design that recognizes safety equipment only works when it doesn't impede productivity.

Ideal Applications

The HS14 excels across diverse non-ferrous fabrication environments:

- ▶ **Metal Distribution Centers** — Cut inventory to customer specifications with speed and accuracy
- ▶ **Aluminum Extrusion Processing** — Handle high-volume profile cutting for window, door, and architectural applications
- ▶ **Custom Fabrication Shops** — Produce precise blanks for machining, welding, and assembly operations



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- ▶ **Sign Manufacturing** — Clean cuts on aluminum substrates and channel letter stock
- ▶ **HVAC and Electrical** — Process copper and aluminum conductors and busbar efficiently

The Investment Case

The HS14 represents a strong value proposition for shops processing non-ferrous materials. The combination of American manufacturing quality, industrial-grade construction, and purpose-built design delivers a payback that production-focused operations will recognize quickly.

Kalamazoo Industries backs the HS14 with a one-year parts warranty and maintains ready availability of replacement components—critical factors for shops where unplanned downtime carries significant cost implications.

READY TO UPGRADE YOUR NON-FERROUS CUTTING CAPABILITY?

Contact Kalamazoo Industries today for a quote or to discuss your application requirements.

Call **800-592-2050** or visit **kalamazooind.com**

Proudly Manufactured in the USA

Available in 3-Phase 230V and 460V configurations. Optional steel stand (Model 12-L) available.